Project Title	Funding	Institution
A preclinical model for determining the role of AVPR1A in autism spectrum disorders	$0	Mount Sinai School of Medicine
Novel strategies to manipulate Ube3a expression for the treatment of autism and Angelman syndrome	$0	University of North Carolina at Chapel Hill
Mouse genetic model of a dysregulated serotonin transporter variant associated with autism	$0	Vanderbilt University
Neural mechanisms of social cognition and bonding	$0	Emory University
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	$0	Massachusetts Institute of Technology
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders - 1	$0	Burnham Institute
Caspr2 dysfunction in autism spectrum disorders	$0	Yale University
Neuropharmacology of motivation and reinforcement in mouse models of autistic spectrum disorders	$0	University of North Carolina School of Medicine
NrCAM, a candidate susceptibility gene for visual processing deficits in autism	$0	University of North Carolina at Chapel Hill
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders -2	$0	Burnham Institute
Analysis of cortical circuits related to ASD gene candidates	$0	Cold Spring Harbor Laboratory
Deriving neuroprogenitor cells from peripheral blood of individuals with autism	$0	University of Utah
Methods for production of ICSI and SCNT derived macaque stem cells	$19,188	Southwest Foundation For Biomedical Research
Micro-RNA regulation in pluripotent stem cells	$19,189	Southwest Foundation For Biomedical Research
Evaluation of altered fatty acid metabolism via gas chromatography/mass spectroscopy and time-of-flight secondary ion mass spectroscopy imaging in the propionic acid rat model of autism spectrum disorders	$25,000	University of Western Ontario
The role of SHANK3 in the etiology of autism spectrum disorder	$28,000	Johns Hopkins University
Shank3 mutant characterization in vivo	$28,000	University of Texas Southwestern Medical Center
Identifying genetic modifiers of rett syndrome in the mouse	$30,000	Baylor College of Medicine
Role of L-type calcium channels in hippocampal neuronal network activity	$32,741	Stanford University
Central vasopressin receptors and affiliation	$32,896	Emory University
Neurogenomics in a model for procedural learning	$33,053	University of California, Los Angeles
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$39,325	University of North Carolina at Chapel Hill
Identifying impairments in synaptic connectivity in mouse models of ASD	$40,000	University of Texas Southwestern Medical Center
Neural mechanisms of social cognition and bonding	$43,862	Emory University
Characterization of autism susceptibility genes on chromosome 15q11-13	$47,606	Beth Israel Deaconess Medical Center
Synaptic plasticity, memory and social behavior	$52,154	New York University
A novel cell-based assay for autism research and drug discovery	$60,000	University of Arizona
The genetics of restricted, repetitive behavior: An inbred mouse model	$60,000	University of Florida

Project Title	Funding	Institution
Genomic resources for identifying genes regulating social behavior	$60,000	Emory University
Animal models of autism: Pathogenesis and treatment	$84,999	University of Texas Southwestern Medical Center
Synaptic deficits of iPS cell-derived neurons from patients with autism	$86,588	Stanford University
Serotonin, autism, and investigating cell types for CNS disorders	$90,000	The Rockefeller University
Vasopressin receptors and social attachment	$121,500	Emory University
Modeling and pharmacologic treatment of autism spectrum disorders in Drosophila	$127,500	Albert Einstein College of Medicine of Yeshiva University
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	$128,445	Massachusetts Institute of Technology
Systematic analysis of neural circuitry in mouse models of autism	$149,973	Cold Spring Harbor Laboratory
Functional study of synaptic scaffold protein SHANK3 and autism mouse model	$150,000	Duke University
Using Drosophila to model the synaptic function of the autism-linked NHE9	$150,000	Massachusetts Institute of Technology
Investigating the effects of chromosome 22q11.2 deletions	$150,000	Columbia University
Control of synaptic protein synthesis in the pathogenesis and therapy of autism	$155,063	Massachusetts General Hospital
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$167,572	University of North Carolina at Chapel Hill
Murine genetic models of autism	$172,389	Vanderbilt University
Small-molecule compounds for treating autism spectrum disorders	$175,000	The University of North Carolina at Chapel Hill
Dissecting the circuitry basis of autistic-like behaviors in mice	$175,000	Massachusetts Institute of Technology
16p11.2: defining the gene(s) responsible	$175,000	Cold Spring Harbor Laboratory
Genetic models of serotonin transporter regulation linked to mental disorders	$184,375	Medical University of South Carolina
High-resolution diffusion tensor imaging in mouse models relevant to autism	$199,724	University of Pennsylvania
Identification of autism genes that regulate synaptic Nrx/Nlg signaling complexes	$200,000	Stanford University
Using iPS cells to study genetically defined forms with autism	$200,000	Stanford University
Patient iPS cells with copy number variations to model neuropsychiatric disorders	$207,388	The Hospital for Sick Children
Neurobiology of mouse models for human chr 16p11.2 microdeletion and fragile X	$210,000	Massachusetts Institute of Technology
High content screens of neuronal development for autism research	$210,977	University of California, San Diego
Characterization of a novel mouse model of restricted repetitive behaviors	$222,000	University of North Carolina at Chapel Hill
A mouse knock-in model for ENGRAILED 2 autism susceptibility	$227,135	University of Medicine & Dentistry of New Jersey
Integrated approach to the neurobiology of autism spectrum disorders	$232,118	Yale University
Functional genomic dissection of language-related disorders	$235,753	University of Oxford

Project Title	Funding	Institution
Exploring the neuronal phenotype of autism spectrum disorders using induced pluripotent stem cells	$241,503	Stanford University
Autism iPSCs for studying function and dysfunction in human neural development	$254,152	The Scripps Research Institute
Optimization of methods for production of both ICSI- and SCNT derived baboon embryonic stem cells	$260,102	Southwest Foundation For Biomedical Research
Cntnap2 in a behavioral model of autism	$262,356	University of California, Los Angeles
Novel genetic animal models of autism	$274,750	University of Texas Southwestern Medical Center
Cellular and genetic correlates of increased head size in autism spectrum disorder	$282,901	Yale University
Novel models to define the genetic basis of autism	$289,633	Cold Spring Harbor Laboratory
Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome	$295,298	University of California, San Francisco
Dynamic regulation of Shank3 and ASD	$300,000	Johns Hopkins University
Serotonin, corpus callosum, and autism	$303,250	University of Mississippi Medical Center
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	$304,500	Beth Israel Deaconess Medical Center
Animal model of speech sound processing in autism	$325,125	University of Texas at Dallas
The genetic control of social behavior in the mouse	$346,000	University of Hawai'i at Manoa
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$346,289	University of North Carolina at Chapel Hill
Neurobiology of sociability in a mouse model system relevant to autism	$354,375	University of Pennsylvania
The role of SHANK3 in autism spectrum disorders	$360,000	Mount Sinai School of Medicine
Central vasopressin receptors and affiliation	$364,425	Emory University
Investigation of the role of MET kinase in autism	$366,308	Johns Hopkins University School of Medicine
Function and dysfunction of neuroligins	$374,383	Stanford University
Neural and cognitive mechanisms of autism	$375,000	Massachusetts Institute of Technology
Basal ganglia circuitry and molecules in pathogenesis of motor stereotypy	$387,767	University of California, Los Angeles
Neuroligin function in vivo: Implications for autism and mental retardation	$392,500	University of Texas Southwestern Medical Center
Using zebrafish and chemical screening to define function of autism genes	$399,999	Whitehead Institute for Biomedical Research
Synaptic and circuitry mechanisms of repetitive behaviors in autism	$400,000	Massachusetts Institute of Technology
Genomic imbalances at the 22q11 locus and predisposition to autism	$400,000	Columbia University
Characterization of the transcriptome in an emerging model for social behavior	$426,250	Emory University
Transgenic mouse model to address heterogeneity in autism spectrum disorders	$468,586	Vanderbilt University
Role of UBE3A in neocortical plasticity and function	$490,000	Duke University

Project Title	Funding	Institution
Novel probiotic therapies for autism	$570,145	California Institute of Technology
Role of a novel Wnt pathway in autism spectrum disorders	$750,000	University of California, San Francisco
Dissecting the neural control of social attachment	$772,500	University of California, San Francisco
Neurogenetic model of social behavior heterogeneity in autism spectrum disorders	$795,188	Duke University
Using induced pluripotent stem cells to identify cellular phenotypes of autism	$800,000	Stanford University
Behavioral and physiological consequences of disrupted Met signaling	$800,000	University of Southern California
Animal models of neuropsychiatric disorders	$1,769,941	National Institutes of Health
Regulation of gene expression in the brain	$2,086,763	National Institutes of Health